

DATA MANAGEMENT APPLICATION PROGRAMMING INTERFACE
HANDLING MOUNT ON MULTIPLE NODES IN A PARALLEL FILE
SYSTEM

ABSTRACT

5 In a cluster of computing nodes having shared access
to one or more file systems in data storage using
parallel file system software, a method for managing the
data storage includes initiating a session of a data
management application on a first one of the nodes, while
10 running a user application on a second one of the nodes.
A request is submitted to the parallel file system
software by the user application on the second node to
mount one of the file systems in the data storage. A
mount event message is sent from the second node to the
15 first node responsive to the request, for processing by
the data management application on the first node. When
the file system is to be unmounted, preunmount and
unmount events are sent for processing by the data
management application on the first node.